# This Page Is Inserted by IFW Operations and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

#### IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.





### FIG. :

TGGGCACAGC CACCCTGTTG GTAGTCCAGG GGCCAGCCCA CTGAGCTGGC ATATCAGCTG	źΰ
GTGGCCCCGT TGGACTCGGC CCTAGGGAAC GGCGGCG ATG GGA GCG CCC CGG ATC Met Gly Ala Pro Arg Ile 1 5	115
TCG CAC AGC CTT GCC TTG CTC CTC TGC TGC TCC GTG CTC AGC TCC GTC Ser His Ser Leu Ala Leu Leu Cys Cys Ser Val Leu Ser Ser Val 10 15 20	157
TAC GCA CTG GTG GAT GCC GAT GAT GTC ATA ACG AAG GAG GAG CAG ATC Tyr Ala Leu Val Asp Ala Asp Asp Val Ile Thr Lys Glu Glu Gln Ile 25	2:.
ATT CTT CTG CGC AAT GCC CAG GCC CAG TGT GAG CAG CGC CTG AAA GAG Ile Leu Leu Arg Asn Ala Gln Ala Gln Cys Glu Gln Arg Leu Lys Glu 40 45 50	259
GTC CTC AGG GTC CCT GAA CTT GCT GAA TCT GCC AAA GAC TGG ATG TCA Val Leu Arg Val Pro Glu Leu Ala Glu Ser Ala Lys Asp Trp Met Ser 55 60 65 70	307
AGG TCT GCA AAG ACA AAG GAG GAG AAA CCT GCA GAA AAG CTT TAT CCC Arg Ser Ala Lys Thr Lys Lys Glu Lys Pro Ala Glu Lys Leu Tyr Pro 75 80 85	355
CAG GCA GAG GAG TCC AGG GAA GTT TCT GAC AGG AGC CGG CTG CAG GAT Gln Ala Glu Glu Ser Arg Glu Val Ser Asp Arg Ser Arg Leu Gln Asp 90 35 100	403
3GC TTO TGC STA COT SAG TGG SAC SAC ATT STG TGC TGG COT GCT GGA 31y Phe Cys Leu Pro Glu Trp Aso Asn Ile /al Cys Trp Pro Ala Gly 105	<del>4</del> :.
GTG CCC GGC AAG GTG GTG GCC GTG CCC TGC CCC GAC TAC TTC TAC GAC Val Pro Gly Lys Val Val Ala Val Pro Cys Pro Asp Tyr Phe Tyr Asp 120 130	499
TTC AAC CAC AAA GGC CGA GCC TAT CGG CGC TGT GAC AGC AAT GGC AGC Phe Asn His Lys Gly Arg Ala Tyr Arg Arg Cys Asp Ser Asn Gly Ser 135	547
TGG GAG CTG GTG CCT GGG AAC AAC CGG ACA TGG GCG AAT TAC AGC GAA Trp Glu Leu Val Pro Gly Asn Asn Arg Thr Trp Ala Asn Tyr Ser Glu 155 160 165	595
TGT GTC AAG TTT CTG ACC AAC GAG ACC CGG GAA CGG GAA GTC TTT GAT GYS Val Lys Phe Leu Thr Asn Glu Thr Arg Glu Arg Glu Val Phe Asp 170 175 180	543

		18	5		,-	•	190	911	1 7 1	. 34.	£ 11	.e Se	er L 95	eu G	GC TC ly Se	r
	20	0				205		JIJ		FIII	21	g Ar	g Le	au H	AT TG is Cy	8
21.	5		-		220				e	225	r sei	ר את	e Me	t Le	C CGG Ru Arg 23(	<b>3</b>
				235	5	O, O	uab	ura	240	Leu	түг	r Se	r Gl	y Va 24		•
	•		250					235	GIU	GIU	Leu	l Arc	3 Al. 26	a Ph O	C ACA e Thr	•
		265	5			2,0	270	3 <b>.</b> Y	Pile	Val	GIĀ	275	Arq	y Va	G GCG l Ala	
	280				-1-	285	Leu	4	ine	ASN	290	тух	Trį	) Il	CTG Leu	
295		- 4		] -	300	*****	CEL	_=u	iie	30 <b>5</b>	Met	Ala	Phe	Phe	310	1027
	•	-,-	- ; -	315	F	G <b>GT</b> (	d		Leu 120	Fhe	Gly	Trp	Gly	Leu 325	Pro	1075
			330			TGG TYP	••	23	31 ,	.rg	Ala	Thr	Leu 340	Ala	Asn	1123
		345	-	•		-	50	-!.	,5N 1	LYS	ràz	Trp 355	Ile	Ile	Gln	1171
	360					ATT o Ile V 365		4 ± 5	,311 E	ile :	370	Leu	Phe	Ile	Asn	1219
ATA Ile 375	ATC Ile	AGA Arg	GTC Val	CTG Leu	GCT Ala (	ACT A Thr L	AA S ys <u>:</u>	C CT A De	ra c	AG A Slu (1 85	ACC .	A <b>A</b> T A <b>sn</b>	GCA Ala	G <b>GG</b> Gly	A <b>GA</b> Arg 390	1267

#### F15. 1

9,3	G <b>AC</b> Asp	1111	λty	39 <b>5</b>	GIN	ıyr	Arg	rys	400	Leu	Lys	Ser	Thr	Leu 405	Val	1315
CTC Leu	ATG Met	CCG Pro	CTA Leu 410	TTT Phe	GG <b>G</b> Gly	GTG Val	CAC His	TAC Tyr 415	ATC Ile	GTC Val	TTC Phe	ATG Met	GCC Ala 420	ACG Thr	CCG Pro	1253
TAC Tyr	ACA Thr	GAA Glu 425	GTA Val	TCA Ser	G <b>GG</b> Gly	ATT Ile	CTT Lau 430	TGG Trp	CAA Gln	GTC Val	CAA Gln	ATG Met 435	CAC His	TAT Tyr	GAA Glu	1411
ATG Met	CTC Leu 440	TTC Phe	AAT Asn	TCA Ser	TTC Phe	CAG Gln 445	GGA Gly	TTT Phe	TTC Phe	GTT Val	GCC Ala 450	ATT Ile	ATA Ile	TAC Tyr	TGT Cys	1459
TTC Phe 455	TGC Cys	AAT Asn	GGA Gly	GAG Glu	GTA Val 460	CAA Gln	GCA Ala	G <b>AG</b> Glu	ATC Ile	AAG Lys 465	AAG Lys	TCA Ser	TGG Trp	AGC Ser	CGA Arg 470	1507
TGG	ACC Thr	C <b>TG</b> Leu	GCC Ala	TTG Leu 475	GAC Asp	TTC Phe	AAG Lys	c <b>cc</b>	AAG Lys 480	GCC Ala	CGG Arg	AGT Ser	Gly	AGC Ser 485	A <b>GT</b> S <b>er</b>	1555
ACC	TAC Tyr	SEL	TAT Tyr 490	G <b>GC</b> Gly	CCC Pro	ATG Met	Val	TCA Ser 495	CAT His	ACA Thr	A <b>GT</b> Ser	Val	ACC . Thr .	AAT Asn	G <b>TG</b> Val	1603
G <b>GA</b> Gly	CCT Pro	C <b>GA</b> A <b>rg</b> 5 <b>05</b>	G <b>GG</b> Gly	GGC Gly	TGG Trp	Pro	TGT Cys 510	CCC Pro	TCA Ser	GCC Ala	Leu	GAC ' Asp 515	TAGC:	rccr	GG	1652
GGCT	GGAG	CC A	GTGC	CAAT	G GC	CATC.	ACCA	GTT	GCCT	GGC	TATG'	TGAA	GC A	rggt:	CCAT	1712
TTCT	GAGA	AC T	CATT	GCCT'	T CA	TCTG	GCCC	AGA	ccr	GGC	ACCA	AAGA:	rg ac	CGGG	TATCT	1775
CAAT	GGCT	ci G	gact	TTAT	G AG	CCAA	TGGT	TGG	GGAA	CAG	cccc	creci	AC TO	crs	SAGGA	1332
GGAG.	AGAG.	AG A	CAGT	CATG'	r ga	CCCA	TATC									1862

TG	GCAC	CAGC	CACC	CTGT	TG G	TAGT	CCAG	G GG	CCAG	CCC	A CT	GAGC	rggc	ATA	TCAGCT	<b>3</b> 60
G <b>T</b> (	GCC	CGT	TGGA	CTCG	6 <b>C</b> C	CTAG	ggaa	C GG	CGGC	G AT	rg G et G: 1	GA GO Ly Al	CG CO	CC C	GG ATC rg Ile 5	115
TCC Ser	CAC His	AGC Ser	CTT Leu 10	Ala	TTG Leu	CTC Leu	CTC Leu	TGC Cys 13	TGC	TCC Ser	GTC Val	CTC	AGC Sex	Se	C GTC F Val	163
TAC Tyr	GCA Ala	CTG Leu 25	√a I	G <b>AT</b> Asp	GCC Ala	G <b>AT</b> Asp	FAT Asd CC	G <b>TC</b> Val	ATA Ile	ACG	AAG Lys	GAG Glu 35	Glu	CAC Glr	ATC Ile	211
ATT Ile	CTT Leu 40	Leu	CGC Arg	AAT Asn	GCC Ala	CAG Gln 45	GCC Ala	CAG Gln	TG <b>T</b> Cys	G <b>AG</b> Glu	CAG Gln 50	Arg	CTG Leu	AAA Lys	GAG Glu	25 <b>9</b> 1
GTC Val 55	CTC Leu	AGG Arg	GTC Val	CCT	GAA Glu 60	CTT Leu	GCT Ala	GAA Glu	TCT Ser	GCC Ala 65	A <b>AA</b> Lys	G <b>AC</b> Asp	TGG	ATG Met	TCA Ser 70	<b>7</b> 30 <b>7</b> ≟
AGG Arg	TCT Ser	GCA Ala	AAG Lys	ACA Thr 75	AAG Lys	AAG Lys	GAG Glu	AAA Lys	CCT Pro 80	GCA Ala	GAA Glu	A <b>A</b> G Lys	CTT Leu	TAT Tyr 85	CCC	35 <b>5</b> 35 <b>5</b> 5
CAG Gln	GCA Ala	GAG Glu	GAG Glu 90	TCC	AGG Arg	GAA Glu	GTT Val	TOT Ser	GAC Asp	AGG Arg	AGC Ser	CGG Arg	CTG Leu 10	Gln	GAT Asp	40 <b>3</b>
3 <b>GC</b> 317	TTC Phe	TGC Cys 108	CTA Leu	CCT	G <b>AG</b> Glu	TGG TYT	JAC 30 11	AAC sm	ATT Ila	G <b>TG</b> Val	TGC Cys	TGG Trp 115	CCT Pro	GCT Ala	G <b>GA</b> Gly	451
GTG Val	CCC Pro 120	GGC Gly	AAG Lys	GTG Val	GTG Val	GCC Ala 125	1 m m	70 <b>0</b> 720	TGC Cys	CCC Pro	GAC Asp 130	TAC Tyr	TTC Phe	TAC Tyr	GAC Asp	499
TTC Phe 135	AAC Asn	CAC His	AAA Lys	GGC Gly	CGA Arg 140	GCC Ala	TAT	eg <b>g</b> A <b>rg</b>	CG <b>C</b> Arg	TGT Cys 145	G <b>AC</b> Asp	AGC Ser	AAT Asn	G <b>GC</b> Gly	AGC Ser 150	547
TGG Trp	G <b>AG</b> Glu	C <b>TG</b> Leu	GTG Val	CCT Pro 155	GGG Gly	AAC Asn	AAC Asn	Arg	ACA Thr 160	TGG Trp	GCG Ala	AAT Asn	TAC Tyr	AGC Ser 165	G <b>AA</b> Glu	595
TGT Cys	GTC Val	AAG Lys	TTT Fhe 170	CTG Leu	ACC Thr	AAC Asn	GAG Glu	ACC 732 173	CG <b>G</b> A <b>rg</b>	G <b>AA</b> Glu	C <b>GG</b> A <b>rg</b>	Glu	GTC Val 180	TTT Phe	G <b>AT</b> Asp	643

CGC CTC GGA ATG ATC TAC ACT GTG GGC TAC TCC ATC TCT CTG GGC TCC Arg Leu Gly Met Ile Tyr Thr Val Gly Tyr Ser Ile Ser Leu Gly Ser 190	591
CTC ACT GTG GCT GTG CTG ATT CTG GGT TAC TTT AGG AGG TTA CAT TGC Leu Thr Val Ala Val Leu Ile Leu Gly Tyr Phe Arg Arg Leu His Cys 200 205 210	77.9
ACC CGA AAC TAC ATT CAC ATG CAT CTC TTC GTG TCC TTT ATG CTC CGG Thr Arg Asn Tyr Ile His Met His Leu Phe Val Ser Phe Met Leu Arg 225 230	737
GCT GTA AGC ATC TTC ATC AAG GAT GCT GTG CTC TAC TCG GGG GTT TCC Ala Val Ser Ile Phe Ile Lys Asp Ala Val Leu Tyr Ser Gly Val Ser 235 240 245	335
ACA GAT GAA ATC GAG CGC ATC ACC GAG GAG GAG CTG AGG GCC TTC ACA Thr Asp Glu Ile Glu Arg Ile Thr Glu Glu Glu Leu Arg Ala Phe Thr 250 255 260	sa <b>j</b> . N
GAG CCT CCC CCT GCT GAC AAG GCG GGT TTT GTG GGC TGC AGA GTG GCG Glu Pro Pro Pro Ala Asp Lys Ala Gly Phe Val Gly Cys Arg Val Ala 265 270 275	931
GTA ACC GTC TTC CTT TAC TTC CTG ACC ACC AAC TAC TAC TGG ATC CTG Val Thr Val Phe Leu Tyr Phe Leu Thr Thr Asn Tyr Tyr Trp Ile Leu 280 285 290	ト 979年 む む
295 300 305 310	년 1027년 일
GAG AAA AAG TAT CTC TGG GGT TTC ACA TTA TTT GGC TGG GGC CTC CCT 1 Glu Lys Lys Tyr Leu Trp Gly 7he Thr Leu 7he Gly Trp Gly Leu Pro 115 120 325	075
GCC GTG TTT GTC GCT GTG TGG GTG ACC GTG AGG GCT ACA CTG GCC AAC 1. Ala Val Phe Val Ala Val Trp Val Thr Val Arg Ala Thr Leu Ala Asn 330 335 340	123
ACT GAG TGC TGG GAC CTG AGT TCG GGG AAT AAG AAA TGG ATC ATA CAG Thr Glu Cys Trp Asp Leu Ser Ser Gly Asn Lys Lys Trp Ile Ile Gln 345 350 355	171
GTG CCC ATC CTG GCA GCT ATT GTG GTG AAC TTT ATT CTT TTT ATC AAT Val Pro Ile Leu Ala Ala Ile Val Val Asn Phe Ile Leu Phe Ile Asn 360 370	219
ATA ATC AGA GTC CTG GCT ACT AAA CTC CGG GAG ACC AAT GCA GGG AGA 11e 11e Arg Val Lau Ala Thr Lys Lau Arg Glu Thr Asn Ala Gly Arg 375 380 385 390	67

TGT Cys	GAC Asp	ACG	AGG Arg	CAA Gln 395	CAG Gln	TAT Tyr	AGA Arg	AAG Lys	CTG Leu 400	CTG Leu	AAG Lys	TCC Ser	ACG Thr	CTA Leu 405	GTC Val	1315
CTC Leu	ATG Met	CCG Pro	CTA Leu 410	TTT	G <b>GG</b> Gly	GTG Val	CAC His	TAC Tyr 415	ATC Ila	GTC Val	TTC Phe	ATG Met	GCC Ala 420	ACG Thr	CCG Pro	1363
TAC Tyr	ACA	GAA Glu 425	GTA Val	TCA Ser	G <b>GG</b> Gly	ATT	CTT Lau 430	TTP	CAA Gln	GTC Val	CAA Gln	ATG Met 435	CAC His	TAT Tyr	G <b>AA</b> Glu	1411
ATG Met	CTC Leu 440	TTC	AAT Asn	TCA Ser	TTC Phe	CAG Gln 445	GGA Gly	TTT	TTC Phe	GTT Val	GCC Ala 450	ATT Ile	ATA Ile	TAC Tyr	TGT Cys	1459
TTC Phe 455	TGC Cys	AAT Asn	G <b>GA</b> Gly	GAG Glu	GTA Val 460	CAA Gln	GCA Ala	GAG Glu	ATC Ile	AAG Lys 465	AAG Lys	TCA Ser	TGG Trp	AGC Ser	CGA Arg 470	1507
TGG Trp	ACC Thr	CTG Leu	GCC Ala	TTG Leu 475	GAC Asp	TTC Fhe	AAG Lys	c <b>gg</b> Arg	AAG Lys 480	GCC Ala	CGG Arg	AGT Ser	GGC Gly	AGC Ser 485	AGT Ser	1555
ACC Thr	TAC Tyr	AGC Ser	TAT Tyr 490	Gly	CCC Pro	ATG Met	GTG Val	TCA Ser 495	His	ACA Thr	AGT Ser	GTC Val	ACC Thr 500	Asn	G <b>TG</b> Val	1603
GGA Gly	CCT	CGA Arg 505	G <b>GG</b> Gly	G <b>GG</b> Gly	crs Leu	GCC Ala	TTG Leu 510	TCC Ser	CTC Leu	AGC Ser	Pro	CGA Arg 515	CTA Leu	GCT Ala	CCT Pro	1651
GGG Gly	GCT Ala 520	GGA Gly	GCC Ala	AGT Ser	GCC Ala	AAT Asn 525	GGC Gly	CAT	CAC	CA <b>G</b> Gln	TTG Leu 530	CCT Pro	GGC Gly	TAT Tyr	GT <b>G</b> Val	1699
AAG Lys 535	CAT	GGT Gly	TCC Ser	ATT Ile	Ser 540	GAG Glu	AAC Asn	:cn :er	Lau	CCT Pro 545	TCA Ser	T <b>CT</b> S <b>er</b>	GGC Gly	Pro	GAG Glu 5 <b>50</b>	1747
Pro	GGC Gly	ACC Thr	A <b>AA</b> Lys	GAT Asp 555	Asp	G <b>GG</b> Gly	TAT Tyr	CTC Lau	AAT Asn 560	Gly	TCT Ser	G <b>GA</b> Gly	CTT ' Leu '	TAT Tyr 565	G <b>AG</b> Glu	1795
CCA Pro	ATG Met	GTT Val	G <b>GG</b> Gly 570	Glu	C <b>AG</b> Gln	CCC Pro	CCT Pro	CCA Fro 575	Leu	CTG Leu	G <b>AG</b> (	G <b>AG</b> Glu	GAG A Glu A 580	AGA (	GAG Glu	1843
ACA	Val	ATG Met 585	TGAC	CCAT	AT C	:										1863

															GCGGC	CC 60
			e.	1	ту А	CC G	.Ia A	rg I	le A	la I	Pro :	Ser	Leu 10	Ala	Leu	103
CT) Lei	A CTO	TGC Cys	. Cys	CCA Pro	GTG Val	CTC Leu	AGC Ser 20	Ser	GCA Ala	TAT	r GCC	G CT	u Va	G GA 1 As	T GCG P Ala	113
G <b>A</b> C Asi	GAT Asp 30	, , ,	TTT Phe	ACC Thr	A <b>AA</b> Lys	GAG Glu 35	GAA Glu	CA <b>G</b> Gln	ATT Ile	TTC Phe	CTC Leu	ı Let	G CA	C CG	r GCC F Ala	254
CAG Gln 45		CAA Gln	TGT Cys	GAC	AAG Lys 50	crg Leu	crc Leu	AAG Lys	GAA Glu	GTT Val 55	. Leu	CAC His	ACI Thi	A GCI Ala	GCC Ala 60	27.
AAC Asn	ATA Ile	ATG Met	GAG Glu	TCA Ser 65	GAC Asp	AAG Lys	GGC Gly	TGG Trp	ACA Thr 70	CCA Pro	GCA Ala	TCI Ser	ACC Thr	TCA Ser 75	G <b>GG</b>	300
A <b>A</b> G Lys	CCC Pro	AGG Arg	AAA Lys 80	G <b>AG</b> Glu	AAG Lys	GCA Ala	TCG Ser	GGA Gly 85	AAG Lys	TTC Phe	TAC Tyr	CCI	GAG Glu	Ser	AAA Lys	348
-		95	vañ	AGI	PFO	THE	100	Ser	Arg	Arg	Arg	Gly 10	Arg 5	Pro	•	396
	110	914		vab	ASII	113	val	Cys	ırp	Pro	Leu 120	Gly	Ala	Pro	Gly	444
125	, 44	·	.7.2.2	. 31	130	TGT	- 53	∴ <b>S</b> D		11a 135		;;sp	Phe	Asn	His 140	490
2,0	GLI		VIE	145	vid	) Arg	Cys	.Asp	Arg 150	Asn	Gly	Ser	Trp	Glu 155	Val	54C
		Gly	160	ASII	Arg	ACG Thr	nr <b>b</b>	165	Asn	TYE	Ser	Glu	Cys 170	Leu	Lys	588
		175	vall	GIU	1111		180	arg (	Glu	Val	Phe	Asp 185	Arg	Leu	Gly	636
ATG Met	ATC Ile 190	TAC Tyr	ACC Thr	GTG Val	GIA	TAC Tyr 195	TCC   Ser	ATG (	TCT   Ser	Leu	GCC Ala 200	TCC Ser	CTC Leu	ACG Thr	G <b>TG</b> Val	684

	~;	
į	3	7
	35	=
	f	
į	1	2
į	ì	•
٩	-	
=	ř	=
÷	:	
******	=	Ŀ
20717	==	ē
	7	
2	E.	=
	-	
	Į	2

GCT	GTG	CTC	ATC	CTG	GCC	тат	TTT	AGG	ccc	CTG	CAC	TGC	100	CC 0		
Ala 205	Val	Leu	Ile	Leu	Ala 210	Tyr	Phe	Arg	Arg	Leu 215	His	Cys	Thr	Arg	Asn 220	732
TAC Tyr	ATC Ile	CAC His	ATG Met	CAC His 225	ATG Met	TTC Phe	C <b>TG</b> Leu	TCG Ser	TTT Phe 230	ATG Met	CTG Leu	CGC Arg	GCC Ala	GCG Ala 235	AGC Ser	780
ATC Ile	TTC Phe	GTG Val	AAG Lys 240	G <b>AC</b> Asp	GCT Ala	G <b>TG</b> Val	CTC Leu	TAC Tyr 245	TCT Ser	GGC Gly	TTC Phe	ACG Thr	CTG Leu 250	G <b>AT</b> Asp	G <b>AG</b> Glu	828
GCC Ala	GAG Glu	CGC Arg 255	CTC Leu	ACA Thr	GAG Glu	GAA Glu	GAG Glu 250	TTG Lau	CAC His	ATC Ile	ATC Ile	GCG Ala 265	CAG Gln	GTG Val	CCA Pro	876
CCT Pro	CCG Pro 270	CCS Pro	GCC Ala	GCT Ala	GCC Ala	GCC Ala 275	GTA Val	GGC Gly	TAC Tyr	GCT Ala	GGC Gly 280	TGC Cys	CGC Arg	GTG Val	GCG Ala	924
GTG Val 285	ACC Thr	TTC Phe	TTC Phe	CTC Leu 290	TAC Tyr	TTC Phe	crs Leu	GCT Ala	ACC Thr 295	AAC Asn	TAC Tyr	TAC Tyr	TGG Trp	ATT Ile 300	CTG Leu	972
GTG Val	GAG Glu	G <b>GG</b> Gly	CTG Leu 305	TAC	TTG Leu	CAC His	AGC Ser	CTC Leu 310	ATC Ile	TTC Phe	ATG Met	GCC Ala	TTT Phe 315	TTC Phe	TCA Ser	1020
GAG Glu	ÀÀG Lys	AAG Lys 320	TAC Tyr	CTG Leu	TGG Trp	G <b>GC</b> Gly	TTC Phe 325	ACC	ATC Ile	TTT Phe	GGC Gly	TGG Trp 330	GGT Gly	CTA Leu	CCG Pro	1068
GCT	GTC Val 305	TTC Phe	GTG Wal	GCT Ala	GTG Val	TGG Trp 340	GTC Val	3 <b>GT</b> 317	TTC Tal	AGA Arg	GCA Ala 345	ACC Thr	TTG Leu	GCC Ala	AAC Asn	1116
ACT Thr 350	GGG Gly	TGC Gys	TOG	GAT Asp	CTG Leu 355	AGC Ser	TCC Ser	.33 317	IAC fis	AAG Lys 360	AAG Lys	TGG Trp	ATC Ile	ATC Ile	CAG Gln 365	1164
GTG Val	CCC Pro	ATC Ile	CTG Leu	G <b>CA</b> Ala 370	TCT Ser	GTT Val	GTG Val	cTC Lau	AAC Asn 375	TTC Phe	ATC Ile	CTT Leu	TTT Phe	ATC Ile 380	AAC Asn	1212
ATC Ile	ATC Ile	CGG Arg	GTG Val 385	CTT Leu	GCC Ala	ACT Thr	AAG Lys	C <del>TT</del> Leu 190	og <b>g</b> A <b>rg</b>	G <b>AG</b> Glu	ACC Thr	AAT Asn	GCG Ala 395	G <b>GC</b> Gly	c <b>gg</b> Arg	1260
TGT Cys	GAC Asp	ACC Thr 400	AGG Arg	CA <b>G</b> Gln	CA <b>G</b> Gln	TAC Tyr	CGG Arg 405	AAG Lys	c <b>ts</b> L <b>eu</b>	CTC Leu	Arg	TCC Ser 410	ACG Thr	TTG Leu	G <b>TG</b> Val	1308

	415				•	420		-1-	****	. val	425	met	Ala	Leu	CCG Pro	
430					435				<b>J</b> 211	440	GIM	net	His	Tyr	GAG Glu 445	
				450			1	* ***	455	, a T	uid	TTE	Ile	Tyr 460	TGT Cys	
	_		465				niu	470	115	AEG	Lys	Ser	17p	Ser	CGC Arg	
		480					485	AL G	Lys	AIG	Arg	Ser (	Gly	Ser		15;3
AGC Ser	495		•	-4		500		261	urs	****	ser '	Val (	Thr .	Asn	Val	1596
GGC Gly 510		-		1	515		264	710	reu	520	ero A	rd I	Leu 1	Pro	Pro 525	1644
GCC A				530				_eu	535	GTĀ 1	ils A	la I	ys I	20 (	Gly	1692
GCT (			€45				• • • • •	. 50	FIU	· 41 .	.ar y	et A 5	la V 55	al 1	Pro	1740
AAG G Lys A		5 <b>60</b>	•				65	- <b></b> -	-!5 3	ser G	2. 2.	eu A. 70	sp G	lu d	lu	1783
GCC TAla S	75	-				80			Leu 1	.eu G 5	1n G.	lu G	ly T	rb c	lu	1835
ACA G Thr V 590		- <del>-</del>														
TGGAC.	AGAT	'G GA	CCAA	GAAG	CCA	GTGT	TTG	G <b>CTG</b>	GTTG	TC T	ATTCC	GGAT	CTC	GAC	CAGG	1945
AAGAT	AACA	A AA -	.GGAA	AATG	GAA	GTGG	ACG	AAGC	AGAG	AA G	<del>l</del> agga	AGAG	GTT	TTG	CAGG	2005
AATTA	ATA'	T GT	TTCC	TCAG	TTG	GATG	ATG	AGG <b>A</b>	CACA	AG G	\AGGC	:				2051

```
1 MGAARIAPSLALLLCCTVLSSAYALVDADDVFTREZQIFLLHRAQAQCDX 50
    1 MGAPRISHSLALLLCCSVLSSVYALVDADDVITKEEQIILLRMAQAQCEQ 50
  51 LLKEVLHTAANIHESDEGWTPASTSGEFFRERASGEFYPESKEHEDVPTG 100
     51 REKEVER. VPELAESARDW. . HSRSARTXXEEPAERLYPQAEESREVSDR 97
 101 SRRRGRPCLZEWDNIVCWPLGAPGEVVAVPCPDYIYDFNHKGEAYRRCDR 150
    98 SRLODGFCLPEWDNIVCWPAGVPGRVVAVPCPDYFYDFNRKGRAYRRCDS 147
 151 NGSWEVVPGHNRTWANYSECLEFHTNETREREVFDRLGHIYTVGYSHSLA 200
    148 NGSWELVPGNNRTWANYSECVRPLTNETREREVPDRLGHIYTYGYSISLG 197
 201 SLTVAVUILAYFRRUHCTRNYIHHHHFUSFHURAASIFVKDAVUYSGFTL 250
    198 SUTVAVLILGYFRREHCTRNYINHHLFVSFHLRAVSIFIKDAVLYSGVST 247
251 DEAERLTEEELHIJAQVPPPPAAAAVGYAGCRYAVTFFLYFLATNYYWIL 300
   248 DEIERITEEELRAFTE... PPPADRAGFVGCRVAVTVFLYFLTTNYYWIL 294
301 VEGLYLHSLIFMAFFSERKYLWGFTIFGWGLFAVFVAVWVGVRATLANTG 350
   195 VEGLYLHSLIFRAFFSERKYLWGFTLTGWGLFAVFVAVWVTVRATLANTE 344
351 CHOLSSCHRRWIIQVPILASVVLNEILFINIIRVLATRLRETNAGRCDTR 400
   CHOLSSGNERWIIQUPILAAIVUNFILFINIIRVLATELETNAGECOTE 394
401 GOYRKLLASTLYLVPLFGVHYTVFMALPYTEVSGTLWQIQMHYEMLFNSF 450
   395 GQYRKLLKSTLVLMPLFGVHYIVFMATPYTTVSGILWQVQRHYEMLFNSF 444
451 GGFFVAIIYCFCMGEVQAZIRKSWSRWTLALDFKRKARSGSSSYSYGPWV 500
   445 CGFFVALLYCFCNGEVQAELKKSWSRWTLALDFKRKARSGSSTYSYGPHV 494
501 SHISYTHYGPRAGLSLPLSPRLPP...ATTHGHSQLPGHAKPGAPATETE 547
   495 SHISVINVGERGGLALSLSPRLAPGAGASANGBROLPGYVKHGSISENSL 544
548 TLFVTMAVPRODGFLNGSCSGLDEEASGGARFPPLLQEGWETVM. 591
545 PSSGPEPGTXDDGYLNG..SGLYEPMYG.ECPPPLLEZERETVN* 586
```

```
Gap Weight: 3.000 Average Match: 0.540 Length Weight: 0.100 Average Mismatch: -0.396

Quality: 712.2 Length: 595
Ratio: 1.215 Japs: 6
Pergent Similarity: 37.113 Percent Identity: 77.335
```

					_	
R15	MGAARIAPS	L ALLLCOPVE	S SAVALUDAD		L LERAQAQCD	_
Oko	MGAPRISHS	L ALLLCCSVI	S SUVALUADA	D VITEREDIE	L LRNAQAQCE	
Okh	MGAPRISHS	L ALLLCCSVI	S SVINEVEND	D ATTYPEGIT	L LRNAQAQCE	<b>0</b> 50
		A	2 2 AINDADAD	P ALLYSEGII	L LRNAQAQCE	0 50
R15	I.I.KEUT HTS	A MIMPERSON				
Oko	SIKENIB O	A CIRCIDAGE	TPASTSGRPR	K EKASGKFYP	Z SKENKOVPTO	3 100
Okh	WOUTAPY'A	L CTVF3VVDM	ASRSAKTE	T FYDLFYTVO	A	
<b>U X 11</b>	ALKEALK.A	PELAESAKOW	MSRSAKTR	r expaeklyp	Q AZZSRZVSDI Q AZZSRZVSDI	R 97
		_				•••
315				•	•	
	SARRGRPCL.	5 EMONIACMS	L GAPGEVVAV	P CPDYIYDFN	E KGHAYRRCDE	150
Oko						
Okh	SRLQDGFCL	E PHONIACME	A GVPGKVVAV	P CPDYFYDFN	H KGRAYRRCDS	147
	N	$N \rightarrow N$	* N			
RIS	NGSWEVVPG	H NRTWANYSE	C LKFHTNETR	REVEDREGA	I YTVGYSHSLA	386
Oko		A MUTUNUIDE	L VKELTNETRI	T PEVENDICS	? VTMCVc+++	200
Okh	NGSWELVPG	N NRTWANYSE	C VEFLTNETRE	REVEDRICA	YTVGYSISLG	197
			- · · · · · · · · · · · · · · · · · · ·			
						•
R15	SLTVAVLIL	YFRRLHCTR	VITHERPT CI	* W! DAACT ****	C DAVLYSGFTL	
Oko			A ALMERIANA	, MI DAWETS+	<b>D B B B B B B B B B B</b>	
Okh	SLTVAVLILO	YFRRLHCTR	A AIDMRIES ASS	urvaastii	C DAVLYSGVST	247
	C		. THUUHERASE	UPWASTETS	DAVLYSGVST	247
	•			0		
R15	DEAFRITTE	THITIOURS				
Oko	DETERITER	BAFTE	PAAAAVGIAG	CRVAVTFFLY	FLATNYYWIL	300
Okh	DETERITER	TRAFTE	PPADRAGEVO	CRVAVIVELY	FLATNYYWIL	294
		. CAMPIE	PPADKAGYVG	CRVAVIVELY	FLITNYYWIL	294
				E		
R15	UFGI VI BET T					
Oko	VEGIVIUSEL	CATCLERY	LWGFTIFGWG	LPAVPVAVWV	GVRATLANTG	350
Okh	VEGIVIUSEI	CATE COLL	LNGFTLFGWG	TSYALAYAMA	TVRATLANTE	344
• • • • • • • • • • • • • • • • • • • •			LWGFTLFGWG	T LYA LAYAMA	TVRATLANTE	344
	*			G	•	
R15						
Oko	CADLSSGARK	WIIQVPILAS	VVLNFILFIN	IIRVLATKLE	ETNAGRODTR	400
Okh	- unreseave	MALLUVPILAA	. IVUNIPIT.PIN	7 7 DUT 1 WET 0	C	
OXII	CMDESSCHKK	MITGABILTY	IVVNFILFIR	-IIRVLATELE	ETNAGRODTR	394
			E			'
<b>R15</b>	00VB=					
Oko	QQYRKLLAST	LAFABFECAR	YTVFMALPYT	EVSGTLWQIQ	MHYEMLINSI	450
	AA + 22 2 2 2 2 2 2 2 2 1	- LILLIEVH	YIVFHATPYT	マグマのさき せんせん	VEVEUS	
Okh	QQYRKLLXST	PAPUALICAN	YIVFAATPYT	EVSGILWOVO	MEYENLINSI	444
		[				
-1-						
R15	QGFFVAIIYC	FCNGEVQAEI	RKSWSRWTLA	LOFKRKARSG	SSSYSYGPHV	SAA
Oko	AGELAWITIE	CNULVUALI	K K SW SRWTY A	CAPPOPAGE	C C C 11 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C	
OKh		. C.IGEA GVET	KKSWSRWTLA	LDFKRKARSG	SSTYSYGPMV	104
	J					777
R15	SHTSVTNVGP	RAGLSLPLSP	RLPPATT	NGESOLPGEA	KPGAPATETE	647
		"ACTOMPTON"	41 22(:21:24	NCURAL BETT	REGSISENSL .	544
Okh	SHISVINVGP	RGG	dPCPSA	LD		
						515
R15	TLPVTMAVPK	DDGFLNGSCS	GLDEEASGSA	RPPPLIOF	E-TRIPLE :	
Oko	PSSGPEPGTK	DDGYLNG 3	GLYEPHVG. F	CPPPILIFE	CTTP	591
		- 3 • •		4	ETAU ;	5 <b>85</b>

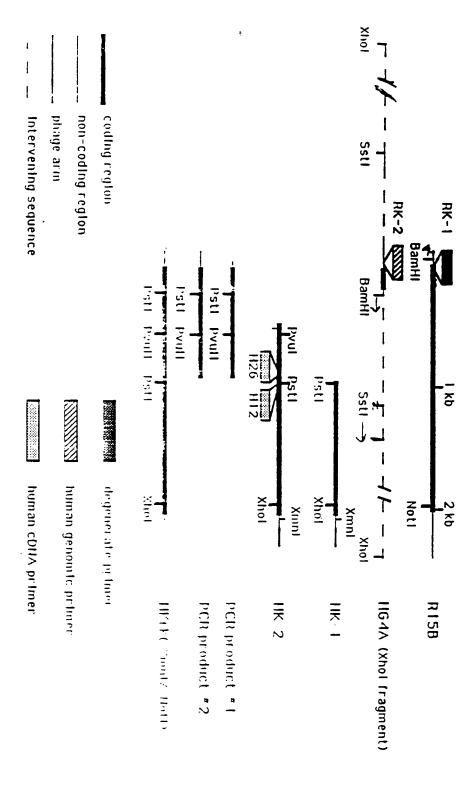
## February 27, 1992 18:30 ..

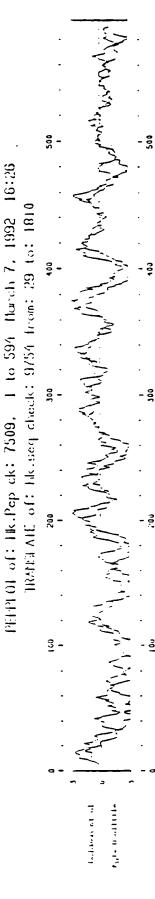
	M G T A R I A Z G L A  ctcctqctctqctqccqcqqqccqqqqcqqqqqqqqqq																			
		M G T A R I A P G L A -  cottagecoccagatrocccoccaccaccaccaccaccaccaccaccaccaccacc																		
52	ct	cct	ctqctctqctqcccqqqqcaaqtcttaqtqqcaaqqqcaaqqqqaaqqqaaqqqaaqqqaaqqqqaaqqqaaqqaaqqaaqqaqqaqqaqqaqqaqqaqqaqqaqqaqqaqqqaqqqaqqqaqqqq						gct	cà	:çta	rcác	get	àđ£	gga	tgc	aga	tg	ıcgt	
																	_			خصمه
	_	L	_	C	С	_				_	_	·z	_	-			A	_	_	V
	at	920	taa	aga	a da da	aca	aga 1	ct	teet	igot	:=::	seq	T GC	tca	<b>aac</b>	cca	ata	ССВ	882	aca
-44																				
		-		_		2	1	7		•		_	_	_	_	_	с С	_		_
	ct	caa	ààs	ggt	cct	:gea	ıgaç	ge:	3200	cao	cat	2at		_	_	-	· ·	_		
132																				
	ī		_		_			_	_			.,		_	_		_		_	cag
											-		_		-		_		_	•
	À	3	:	s	3	X	.= <b>;</b> g	पुर ३	X	e <b>t ct</b> D	att ::	eeş A	taç; 3	.;	ett: K		yat (	5 2 <b>6</b> 3:	act E	. <b>ca</b> g:
02																				
	_	<del>-</del>	-		_		_	<b>y</b> - y	_		=:	2 <b>2</b> 5	=ţc:		ge	<u> </u>	ace	igad	: <del>gg</del>	cctt
		-			-			•			-						3	L	P	Ξ
						909 	- <b>-</b> -	gec 		 	 		 :::::::::::::::::::::::::::::::::		gt	gtģ	get	gte	,cc	ctgt
62	300			grad	àčs	cac	gac													
52	acc									~	•		3	Ξ						
52	acc N	3	H	Ξ	۔	C	Ħ													
52 22		gad	H tac	i cat:	i ita	C tga	7 Ctt	caa 	tca	caaa	agç:	::2:	.çcc	tac	cás	cgc	tgt	gac	cg	caat
52 22	gaggacgagacgacggggaacgagtegaggcgatgaggcgatgagcaacaacgagaaaaaaaaggaacaagagaacaagaag																			
52	3 <b>90</b> 	gad  cto	H tac tate	i cat: rtaa	tta: nata	C tga act:	77 Ctt Jaac F	caa gtt N	tca  agt	caaa gtt:	agç: : :::::::::::::::::::::::::::::::	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	à à	atg Y	g <b>ct</b> R	s geg	aca C	ctg D	gc R	ytta N

S E C V aaatttotosco .actoșt șaacș șg aggt șt traco poet șg geat șa trac tttaaagagtggttactctgagcacttgccctccacaaactggcggacccgtactaaatg K F L T N E T R E R E V F D R 1 G M I Y Ċ accetaggetactccetgecetcccccccceeetagetgtccatcctggectac tggcacccgatgaggcacagggaccgcagggagtggcatcgacacgagtaggaccggatg Ē T V G Y S V S L A S L T V A V L I L A Y tttaggcggctgcactgcacgcgcaactacatccacatgcacctgttccttcatg aaatccgccgacgtgacgtgcgcgttgatgtaggtgtacgtggacaaggacaggaagtac Э FRRLHCTRNYTHMELFLSFM czgogogocgtgagoatottogzcaaggaogotgtgctotactotggogocaogottgat 722 -gacçcççççqcactcçtaqaaqcaqttcctçcqacacqagatgagaccçcggqtgcgaacta LRAVSIFVKDAVLYSGATLD 5 gaggetgageçeteacegaggaggagetgeçecategecaggeçececegecgect Ō creedaerededadradereereeredaededadradeddareddaddeddedda <u>|</u> - 841 ₫ b EAERLTEEELRAIAQAPPP 4 Ħ gecaccgecgecggctacgegggetgcagggtggctgtgaccttcttacttc )-<u>-</u>[ - F cddrddcddcdacddcdardcdcccdacdrccaccdacaccddaagaagaaatgaag 31 ATAAAGCRVAYTFFLYF 1 ctggccaccaactactactggattctggtqgaqqqqctqtacctqcacaqcctcatcttc M **#** gaccqqtqqttqatqatqacctaaqaccaccttcccqacatqqacqtqtcqqaqtaqaaq ū ü 2 A T M Y Y W I L V I B I L Y L H S L I F srddeerressesdadaadaadraeerdsdadessesdadsessedadsesdaddesda taccogaagaagagtotottottoatggacaccoogaagtotcagaagcogaccccagac MAFFSEKKYLVSFTVFGAGL Ċ gggcçacagaagcaccçacacccagtcacaçtctcqatqggaccqqttgtggcccacq - 1081 2 A V F V A V W V S V R A T 2 A N T G C 5 S 3 **:** 

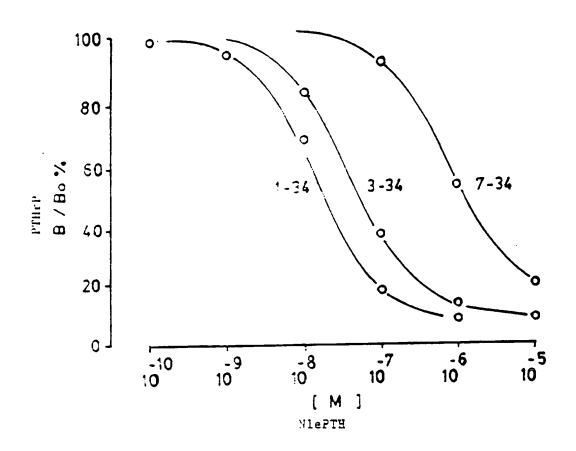
						•															catt	
	1031																					1141
		20	cct	çaa	cts	;çaç	çcc	ctt	ÇŢŢ	::::	cac	CLE	çta	<u> </u>	CCE	cââ	Ţιa	ààs	ccá	gag	gtaa	
÷		$\mathcal{A}$	0	۵	3	3	3	N	ĸ	7.	ñ	=	-	2	";	5	=	٦	A	S	Ξ	_
																				-		
		Ţ٤	get	caa	ctt	cat	cct	ctt	cat	caa	tat	221	222	===	SSE	cac	cac	caa	acai	aca	aa a	
	1142	cacdadrrdaadraddadadradrraracatedadadadadadadadadadadadadadadadadadad															1201					
		ca	caa	att	cas	ata	aaa	σaa	oca	att	ata	cca	<b></b>	oca	сда	aca	ar a					1201
				900	9		-55-	,,	.,	,,		, <b>.</b> .	77-		oģu	909	777	7				
Ġ		y	1	N.	F	-	L	<b>-</b>	Ξ	N	-	٠,	2	•,,	•	2	Ţ	K	Q	2	-	_
			-	••	•	-	~	•	•	• • •	•	•	Ξ.	•	_	Д	•	27	¥	ス	E	•
		ac	caa	cac	-	,	,,	<b></b>	Cac	-a-c-	~~3	~~ 3	<del></del>									
	1202						3-3				y ca	yca 	uca 		yaa	پاڻان -	get	caa.	att	CAC	gctg	
		- 3			,																	1261
		-7	,	7-5	900	, 990			. 7 - 7					99-		-54	cga	gtt.	tag	gtg	cgac	
Ġ		~	×	A	G	3	C	$\supset$	Ŧ	=	^	_		-		-	+	X	-	-	•	
		_			•	• `	•		•	••	•	•	•	• •	••	-	ב		3	-	11	-
		==	act	cat	acc	222	222	122		002	<u></u>	~>-				~~~			• • •			
	1262	gtgctcatgccctctttggcgtccactacattcttcatggccacaccatacaccgag															1221					
		cackadracdddadagagagccccaddrarinsscadagacraccddratdradcra															1341					
			- , -	,	- 5 5	39-	,,		, <del>,</del> , , .	-65	<b></b> -	<del>-</del>		, ca	ب ــــــ	9	969	- 7 7		÷ - 3	9000	
Ġ		V	2	M	P	ī.	7	G	7	2	v	-	••	÷	¥	2	~	5	v	7	E	_
								_			_	-		•	••	••	•	•	-	•	-	_
		gt	ctc	agg	gac	ect	eta	ca	act	CCZ	cat	===	222	tca	gat	C21		CAR	CT C		ccag	
	1322																					1381
		ca	ġ <b>a</b> ġ	tcc	ctş	cça	gac	cqt	tca	عود	cta	cat	TET	201	cta	coa	gaa.	att	a a cr	<b>322</b>	ggte	1001
					•	-	-	-				•							7-5	<b>3</b>	77	
Þ		٧	S	G	T	_	Ħ	Q	v	Q	34	#	· <u>·</u> ·	Ξ	м	ī	<b>.</b>	N	s	=	Q	-
										_						_	_			-	*	
		gg	att'	ttt	tçt	các	aat	cat	ata	ctç	ttt	===	cza	tee	cca	act	aca	acc.	taa	gat.	caag	
	1382				<del></del>															<del>-</del>		1441
		CC	taa	aaa	aca	àcà	tta	gta	tat	àsc	aaa	çac	 <del>-</del>	200	ĢCT.	cca	tgt	teg	act	cta	gttc	
		CC	caa	aaa	aca	àcà	tta	ġta	tat	āsc	aaa	ÇZC	<del>,</del>	300	ġct.	cca	tgt <sup>.</sup>	teg	act	cta	gttc	
Ċ		CC	caa	aaa F	aca	àcà	tta	ġta	tat Y	āsc	aaa	ÇZC	ștt ;;	200	àct.	cca <sup>.</sup>	Σgt: Q	t <del>cg</del> :	ect:	cta I	gttc K	~
Ċ		G	E		aca V	y	tta :	gca :	tat Y	C Gac	aaa :	Çāc: :	ștt :;	<b>300</b> 3	çct	cca <sup>.</sup>	Lgt <sup>.</sup> Q	t <del>og</del> : À	ect:	cta I	gttc K	~
Ö	* 442	G	F	r ttg	gaç V	cci y	cta :	gac :	zat	àāc C àsc	aaa : act	720	;; :;	300 3 233	aca: âca:	cca V	age:	teg: À	ect:	cta I	gttc K	~
Ċ	1442	G	F	: ::g	gaç V	ess y	: :	gac :	ž	<u>aac</u> C	aaa F act	çac : ::::::::::::::::::::::::::::::::::	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	3 3 233	ace: 2	cca v	age O	acg:	E E Cag	ETA Egg	getc K gagc	-
Ċ	1442	G	F	: ::g	gaç V	ess y	: :	gac :	ž	<u>aac</u> C	aaa F act	çac : ::::::::::::::::::::::::::::::::::	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	3 3 233	ace: 2	cca v	age O	acg:	E E Cag	ETA Egg	getc K gagc	-
	1442	G aaa tt:	F atc	E E E E E E E E E E E E E E E E E E E	y gaç 	ààc Ç Ç		gra gac	zat act tga	acá áāc C	aaa : ac:	720		3 3 238  211	2 de c. 2 de c. 2 de c.	cca V aaa ttt	ccà ààc Ö	kog: A Bog: Tgo:	E E Cago	gee:	gage cteg	-
Ö D	1442	G aaa tt:	F atc	E E E E E E E E E E E E E E E E E E E	y gaç 	ààc Ç Ç		gra gac	ž	acá áāc C	aaa : ac:	720		3 3 238  211	2 de c. 2 de c. 2 de c.	cca V aaa ttt	ccà ààc Ö	kog: A Bog: Tgo:	E E Cago	gee:	gage cteg	-
		G aaa tt:	T atc tag	ttg aac	gaç ctc	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	CLG CLG GEC	gac ctg	eact Tga	ect 2 2 3 6 0	act act tot	780 772 701	:: :: :: :: ::	3 3 233 	2 4 4 5 4 5	cca v aaa ttt	y ccà ààc ô	A Bogo Ego:	E CAGO	goo. G	getc K gagc ctcg	-
		G aaa tt:	T atc tag	ttg aac	gaç ctc	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	CLG CLG GEC	gac ctg	eact Tga	ect 2 2 3 6 0	act act tot	780 772 701	:: :: :: :: ::	3 3 233 	2 4 4 5 4 5	cca v aaa ttt	y ccà ààc ô	A Bogo Ego:	E CAGO	goo. G	getc K gagc ctcg	-
		G aaa tti	Eag:	ttg aac	gaç cts	G G G G G G G G G G G G G G G G G G G		gac ctg	act tga	# # # # # # # # # # # # # #	act	720 772 772 772	:: :: :: :: :: :: ::	3	3 c c c c c c c c c c c c c c c c c c c	cca v aaa ttt	caa. y age ô	acg tge:	E Cago	cca cgg ccc	gage caseg	-
		G aaa tti	Eag:	ttg aac	gaç cts	G G G G G G G G G G G G G G G G G G G		gac ctg	act tga	# # # # # # # # # # # # # #	act	720 772 772 772	:: :: :: :: :: :: ::	3	3 c c c c c c c c c c c c c c c c c c c	cca v aaa ttt	caa. y age ô	acg tge:	E Cago	cca cgg ccc	gage caseg	- 1501 -
B		G aaa	E a c	ttg aac ;;	gaç ctc	cta ggc 7	213 213 313 313 313 313 313 313 313 313		act tga		act 101			3	901 909 090	cca v aaa ttt x gac	caa A ggc	acg:	E Cago	ggg ggg	gage R gage ctog S cogt	- 1501 -
		G aaa	E a c	ttg aac ;;	gaç ctc	cta ggc 7	213 213 313 313 313 313 313		act tga		act 101			3	901 909 090	cca v aaa ttt x gac	caa A ggc	acg:	E Cago	ggg ggg	gage caseg	- 1501 -
B	1502	G aaa	F atc aq	aac waacaac	gaçaçıcı s	G		gta gac etg	act Tga	gac C ggc A G G G G G G G G G G G G G G G G G G	aaa		010	3	900 900 900 900 3.	cca v aaaa ccc ccc	Acras Cras y cas dac dac	acq tqt:	ECT:	E G G G G G G G G G G G G G G G G G G G	gage creg s cegr ggea	- 1501 -
B	1302	G aaa	Fatoriago	to the state of th	gaç ctc saca taçç atc			gta gac etg	act Tga	600 600 600 600 600 600 600 600 600 600	aaa Faat Taa Taa Taa Taa Taa Taa Taa Taa Taa			3	got gogg ego 3. tgt aca	cca vaaaaa ccc x x ccccccccccccccccccccc	drr drr drr dage	tog: A acq: tgc: R tgt: aca:	ECT:  Eag:  GCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	sada. Sada. Sada. Sada.	gage cteg s cegt ggea R	- 1501 - 1561
B	1502	G aaa tt:	E accident	ttg aac sta	gaç cts sacc	cet	512 52 53 54 55 55 56 57 57 57 57 57 57 57 57 57 57 57 57 57	grac gac crg crc gag	act Tga	600 440 600 7	aaa F act tqt tqt		200	3 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	got goç qoç ogo R tgt aca	cca vaaaa rtt	est Q ggc cos	A acquart quality acades	cago	add.	gage cteg S cegt ggea R	- 1501 -
B	1302	G aaa tt:	E accident	ttg aac sta	gaç cts sacc	cet	512 52 53 54 55 55 56 57 57 57 57 57 57 57 57 57 57 57 57 57	grac gac crg crc gag	act Tga	600 440 600 7	aaa F act tqt tqt		200	3 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	got goç qoç ogo R tgt aca	cca vaaaa rtt	est Q ggc cos	A acquart quality acades	cago	add.	gage cteg s cegt ggea R	- 1501 - 1561
n D	1562	G aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	E accionate a secondario de la contra del contra de la contra del contra de la contra del contra del la contra del la contra del contra del la	to t	gaçaçı cttc	cer cer cer cer cer	5	gac gac ccg ccc ggg	act Tga Tga Gra	444 444 444 444 444 444 444	aaa			200 3 222 200 200 200 200 200	got gogg egg tgt aca	cca v aaaa ttt K gac ctg	dra.  isec.  ise	acq acq aca 	cago	add. 2 cadd. 2 cadd.	gage creg s cegt ggea R	- 1501 - 1561
n D	1562	G aaa tt:	E accionate a secondario de la contra del contra de la contra del contra de la contra del contra del la contra del la contra del contra del la	to t	gaç cts sacc	cer cer cer cer cer	5	gac gac ccg ccc ggg	act Tga	444 444 444 444 444 444 444	aaa			200 3 222 200 200 200 200 200	got gogg egg tgt aca	cca v aaaa ttt K gac ctg	dra.  isec.  ise	acq acq aca 	cago	add. 2 cadd. 2 cadd.	gage creg s cegt ggea R	- 1501 - 1561
n D	1562	G aaa tt:	Factor Sagranger	togac :	gaç ccs saçç accs scççç	Geral	5	grae ggacera	act tga :cat gta gtc	244 600 600 600 600 600 600 600	aaa Faaaa Faaa			3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	9000 9000 3. 0000 2. 0000 2. 0000 9000	cca:  aaaa  ttt  K gac  tgac  tgac	cac dage	acquest special care care care care care care care care	E Cago	cta.  cgg- ccc ccc cgg-	gage creg s cegt ggea R	- 1501 - 1561
B	1562	G aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	Fator Sagrage	to t	gaça cc s s gg acc	G	TIEST OF THE CONTRACT OF THE C	grae gac	act Y car y	222 223 222 222 232 232 232 232 232 232	aaa Faata Fa			200 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	got gogo ago ago ago gogo	cca aaaa ttt gac tgc tgc	àgac àgac àgac àgac agac agac agac agac	toga A acquired togate	E Cago	cta.	gage creg s cogt ggea R ceae	- 1501 - 1561 - 1621
n D	1562	G aaa aaa aa	E ago	transation of the state of the	gaç gaç ctc s atc	ges		grae gac	act Y act Total To	444. 600 600 7 600 600 600 600 600 600	a a a a a a a a a a a a a a a a a a a			200 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	got gog gog sgo sgo sac gog	cca vaaa vaac vaac vaac vaac vaac vaac	dacination of the case of the	acquest special care care care care care care care care	cagning of the state of the sta	con grade gr	gage cege s cege ggea R ceae	- 1501 - 1561
n D	1562	G aaa aaa aa	E ago	transation of the state of the	gaç gaç ctc s atc	ges		grae gac	act Y act Total To	444. 600 600 7 600 600 600 600 600 600	a a a a a a a a a a a a a a a a a a a			200 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	got gog gog sgo sgo sac gog	cca vaaa vaac vaac vaac vaac vaac vaac	dacination of the case of the	acquest special care care care care care care care care	cagning of the state of the sta	con grade gr	gage creg s cogt ggea R ceae	- 1501 - 1561 - 1621
n D	1562	G aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	E accident	transparent transp	gagagagagagagagagagagagagagagagagagaga	C	5	grade	act Y act Total To	233 233 233 233 233 233 233 233 233 233	aaa			200 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	gga, gga, gga, gga, gga, gga, gga, gga,	cca	igt Caa	toga A acq tgc: R tgt: acaa ; caca gtga	E Cago	cta.	gage creg s cogt ggea R ceae	- 1501 - 1561 - 1621

	. : 63		~		102: 		-		CC38										•	:3ġ	;cct;	<b>;</b>
•		7	gtç:	Ç <b>a</b> Ç	gça	icc	ac	43 Ç	get	:cct	içc:	:200	ccaa	g à câs	içt:	:50:	ça	gac	çaç	T. C. C	ggad	1741 :
· s '		?	?		М						5	G	F	L	H	G	s	•	s	G	L	-
	1742	5 35	JCG8	<b>.</b>	agc	ct:	:t	;gc:	tça	àcà	gcc	200	ząc	cct	gct	aca	ààs	aça	āfā	gga	gaca	
		ct	get	cct	ccg	gag	acc	cgg	act	cgc	cád	tşş	acg	gga	cga	tgt	cct	tet	 cac		+- ctgt	1801
<b>ɔ</b> _		Ð	Ξ	Ξ	Α	S	G	?	Ξ		5		À	L	i.	2	Ξ	Ξ	¥	2	7	-
	1802	gt !	cat	àtà	acc.	agg	cgc	tçç	999	ctg	gac	ctg	czç	aca	tag	tgg	atç	gac	agai	L gg:	acca	
		ca	στa	cac	tggt	cc	àcà	acc	: :	çacı	 ctç	<del>-</del>	àac.	 tgt:	 2tc	3CC.		<del></del>	-i :ct:	- <u></u> -	-ggt	1861
Ö		V	M															•			-336	
•	362	a <b>a</b> .	agai	tgg	ar g	;tt;	aaı	tçaı	itt:	ces	acts	caç	gge	stç	3556	ca	ıca	o a	\AA5	1805	ràd <del>d</del>	
5		C.	teta	1000	acc	aac	2223	acts	aaç		gaç	 ;:::		- <b>-</b>	 :cc;	 ;gt:	-í-:	CCT	ttt	tç	:CCC	1921
	922	çaa	aaa	aga	aaa	aaa	aaa	igaa	aaa	ragg	aaa	aaa	laaa	aaa	aaa	aaa	aaa	aaa	222	224	aaa	
		ctt	ttt	tet	ttt	 :::	ttt	ctt	 tt:	tcc	ttt	 ::::	 ::::	ttt	ttt	ttt		ttt	 ttt	 ttt	aaa -+- ttt	1981
15 15 15	982	a <b>a</b> a - <b></b>	aaa	aaa.	aaa:	aaa	aaa	aaa.	aaa.	aaa	aaa											
		ttt	ttt	ttt	ttt			ttt	ttt		ttt	20	11									
≠  ≠ Enzym	nes :	tha	೬ ಡೆಂ	<b>.</b> cu	:::																	
<b></b>	acI																					
12																						

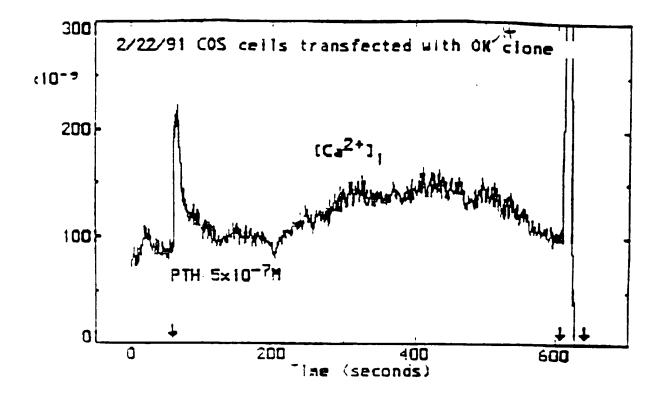


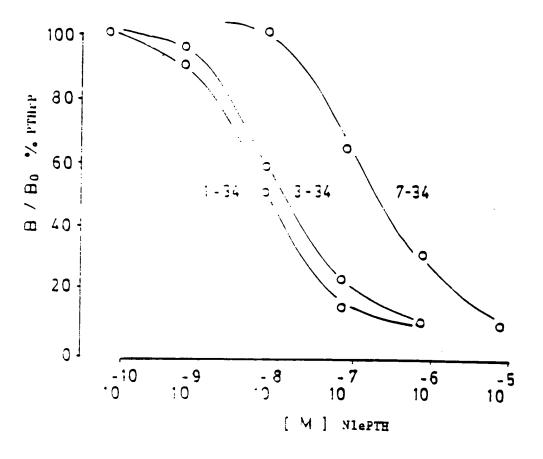


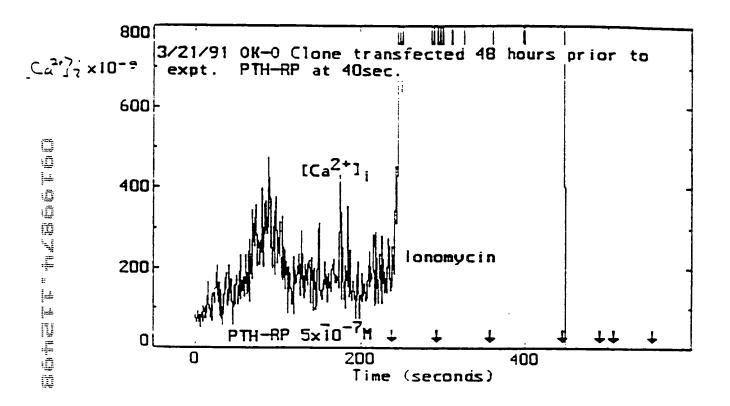
H-461.

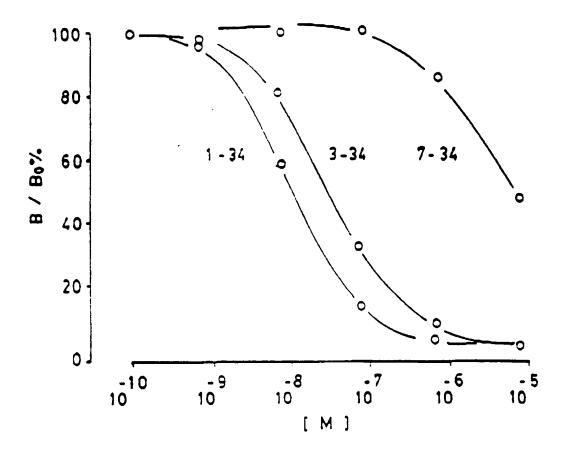


Ī



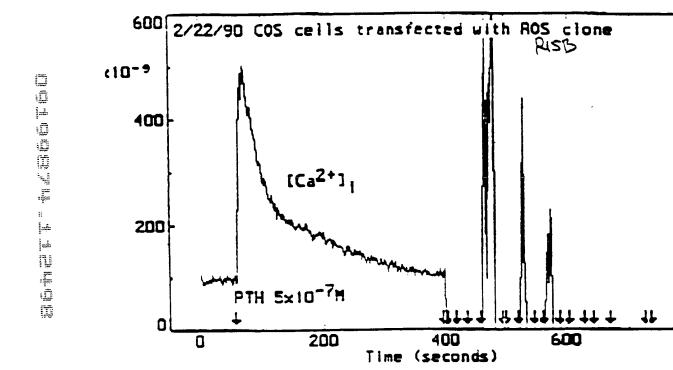


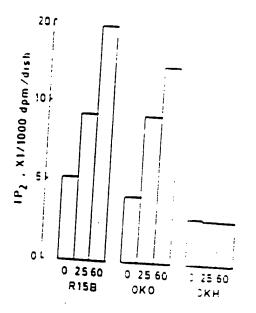


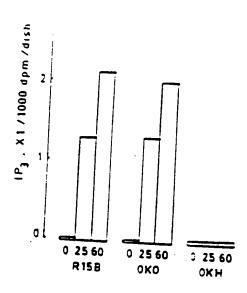


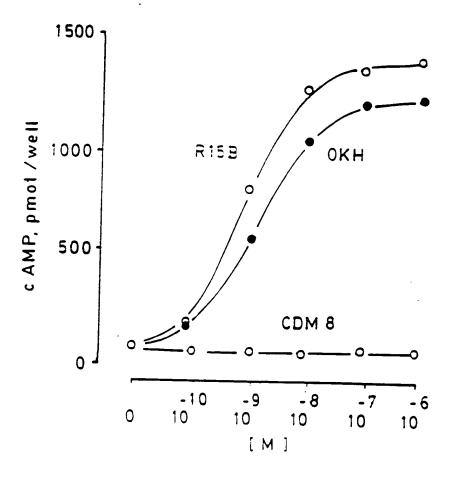
{

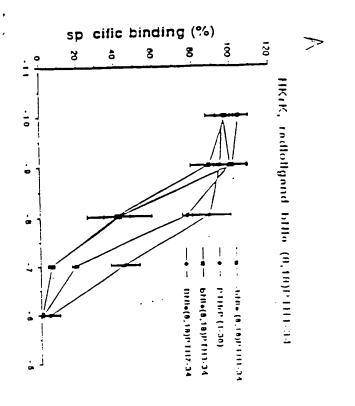
FIG. 13

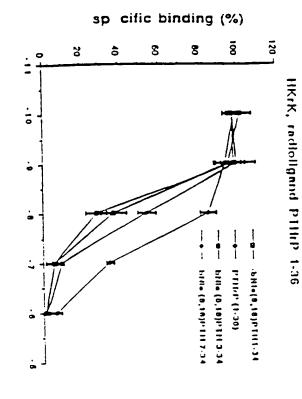


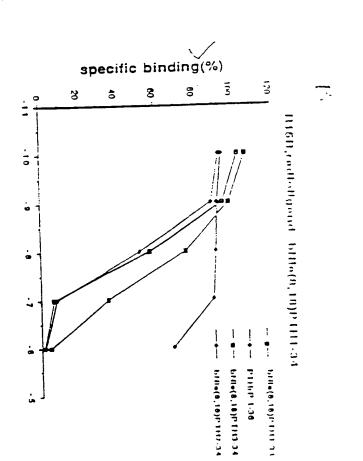












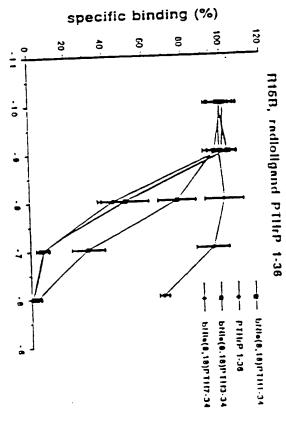
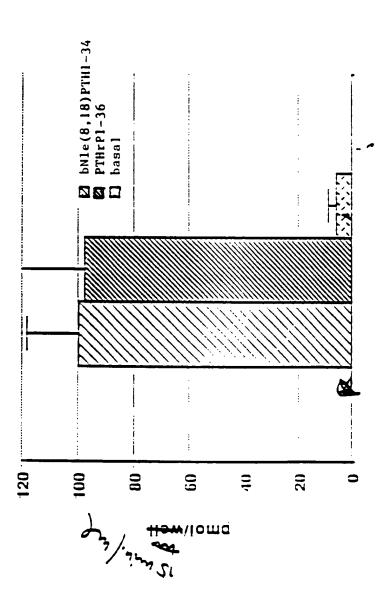


Fig. 1



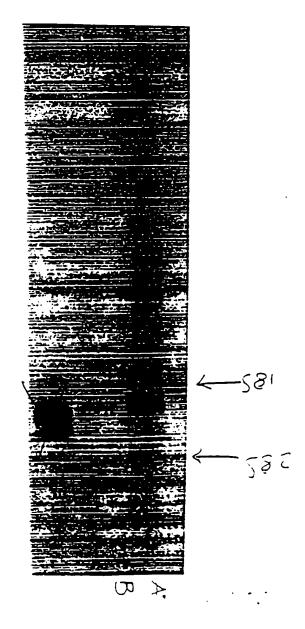
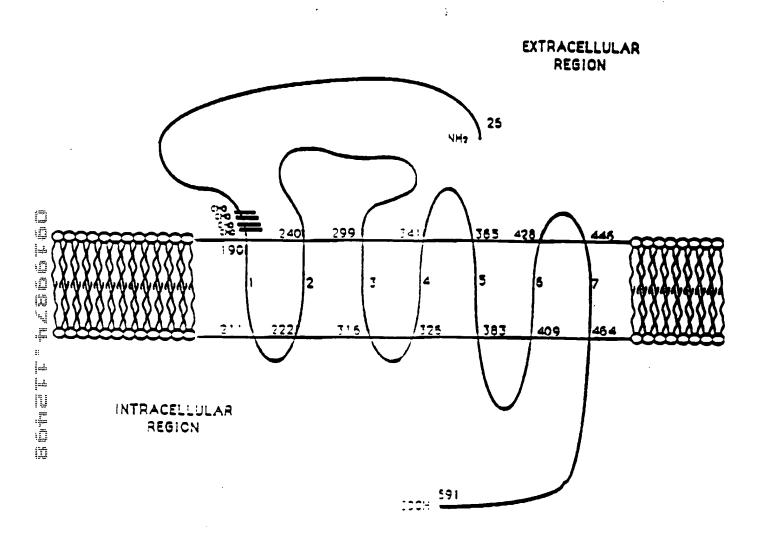


Fig ,9



# RAT BONE PTH/PTHrP RECEPTOR



AMING ACID SEQUENCE OF 7 PUTATIVE TRANS-MEMBRANE REGIONS

